

Applic. No. 10/653,653
Amdt. dated July 19, 2006
Reply to Office action of April 19, 2006

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Claim Amendments

This listing of the claims will replace all prior versions,
and listings, of claims in the application:

Claim 1 (currently amended): A sensor module comprising at least one sensor element that is at least partially surrounded by a housing, wherein the housing of the module is flexible, and a transmission means for wireless data transmission is integrated in the module, the flexible housing including at least two flexible foils, a first one of the flexible foils supporting the at least one sensor element and a second one of the flexible foils overlapping the first one of the flexible foils and supporting the transmission means.

Claim 2 (original): The sensor module of claim 1, wherein the transmission means contains an antenna and/or an induction coil.

Claim 3 (original): The sensor module of claim 1, wherein an operational voltage for the sensor module is inductively coupled in.

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Claim 4 (original): The sensor module of claim 1, wherein the operational voltage for the sensor module is electromagnetically coupled in.

Claim 5 (cancelled).

Claim 6 (original): The sensor module of claim 1, wherein the flexible housing is designed so that it may be vulcanized into a rubber tire.

Claim 7 (previously presented): The sensor module of claim 1, wherein the flexible housing is adapted to the geometry of a receiving unit.

Claim 8 (previously presented): The sensor module of claim 1, wherein the sensor module incorporates a memory element configured to store specific data that is not data sensed by the sensor element.

Claim 9 (original): The sensor module of claim 1, wherein the sensor element is a pressure sensor and the entire sensor module is inductively operated.

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Claim 10 (original): The sensor module of claim 9, wherein a gel is introduced between the flexible cover and the pressure sensor.

Claim 11 (previously presented): A method for producing a sensor module with at least one sensor element, the method comprising:

providing at least one sensor element being at least partially surrounded by a flexible housing; and

integrating transmission means for wireless data transmission into the module, the flexible housing including at least two flexible foils, a first one of the foils supporting the at least one sensor element and a second one of the foils overlapping the first one of the foils and supporting the transmission means.

Claims 12 and 13 (cancelled).

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Please to Amend of claim 1
Claim 14 (new): A sensor module comprising at least one sensor element that is at least partially surrounded by a housing, wherein the housing of the module is flexible, and a transmission means for wireless data transmission is integrated in the module, the sensor module incorporating a

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memory element configured to store specific data that is not
data sensed by the sensor element.